

*M. similis*, is mostly tetra-aperturate. We believe that the count reported by Stebbins *et al* (*op. cit.*) of  $2n=28$  for "*Malacothrix clelandii*" from Tucson, Arizona (for which we can find no voucher) probably refers to *M. stebbinsii*. From a consideration of morphology we believe that *M. stebbinsii* may be an allotetraploid between *M. clelandii* and *M. sonora*. Stebbins and his associates postulated that it might be an allotetraploid between *M. clelandii* and *M. fendleri*, but they were not aware of the probably diploid *M. sonora*. As we have mentioned above, *M. sonora* is nearly intermediate between *M. clelandii* and *M. fendleri*, both morphologically and geographically.

Department of Botany  
University of California, Los Angeles  
Rancho Santa Ana Botanic Garden  
Claremont, California

## DOCUMENTED CHROMOSOME NUMBERS OF PLANTS

(See Madroño 9:257-258. 1948)

SPECIES	NUMBER	COUNTED BY	COLLECTION	LOCALITY
PORTULACACEAE				
<i>Montia</i> <i>*perfoliata</i> (Willd.) Howell	n = 6	P. Raven LA <sup>1</sup>	<i>H. &amp; M. Lewis</i> in 1956, LA	Mather, Tuolumne County, California
	n = 12	H. Lewis LA	<i>H. Lewis</i> in 1955 LA	Mather, Tuolumne County, California
	n = 18	P. Raven LA	<i>H. Lewis</i> in 1956 LA	La Panza Range, San Luis Obispo County
	n = 18	P. Raven LA	<i>H. Lewis</i> in 1956 LA	San Juan Canyon, San Luis Obispo County, California
	n = 18	P. Raven LA	<i>H. Lewis</i> in 1956 LA	Temblor Grade, Kern County, Calif.
<i>sibirica</i> (L.) Howell	n = 12	W. H. Lewis ASTC	<i>W. H. Lewis</i> 5367 SMU	Near Sechelt, British Columbia, Canada
RANUNCULACEAE				
<i>Delphinium</i> <i>virescens</i> Nutt.	n = 8	R. C. Jackson KANU	<i>McGregor</i> 14282 KANU	Douglas County, Kansas
<i>Trautvetteria</i> <i>grandis</i> Nutt.	n = 8	R. Ornduff DUKE	<i>Ornduff</i> 6262 UC	Multorpor Moun- tain, Clackamas County, Oregon
MAGNOLIACEAE				
<i>Michelia</i> <i>*fuscata</i> Blume	n = 19	P. Raven LA	<i>Raven</i> 14026 UC	Cultivated, Los Angeles, Calif.
SAXIFRAGACEAE				
<i>Bolandra</i> <i>oregana</i> S. Wats.	n = 7	R. Ornduff DUKE	<i>Ornduff</i> 6240 UC	Elowah Falls, McCord Creek, Multnomah County, Oregon

SPECIES	NUMBER	COUNTED BY	COLLECTION	LOCALITY
THYMELAEACEAE				
<i>Daphne genkwa</i> Sieb. & Zucc.	n = 9	L. Nevling, Jr., A	<i>Nevling 105</i> AAH	Cultivated, Arnold Arboretum, Weston, Mass.
<i>Daphne giraldii</i> Nitsche	n = 9	L. Nevling, Jr., A	<i>Nevling 106</i> AAH	Cultivated, Arnold Arboretum, Weston, Mass.
LENNOACEAE				
<i>Ammobroma</i> <i>sonorae</i> Torr. ex. Gray	2n = 18 <sub>II</sub>	D. M. Moore LA	<i>J. Feldner</i> in 1961, UCLA	5.5 mi. W. of Glamis, Imperial County, California
PRIMULACEAE				
<i>Hottonia</i> <i>inflata</i> Ell.	n = 11	O. T. Solbrig GH	<i>C. Wood 9426</i> GH, UC	Middlesex Fells Reservation, Middlesex County, Massachusetts
POLEMONIACEAE				
<i>Phlox oklahomensis</i> Wherry	2n = 14	R. C. Jackson KANU	<i>Marsh</i> KANU	Cowley County, Kansas
VERBENACEAE				
<i>Verbena</i> <i>bipinnatifolia</i> Nutt.	n = 15	O. T. Solbrig GH	<i>Solbrig 3168</i> GH, UC	10 mi. N.E. of Santa Fe, New Mexico
	n = 15	O. T. Solbrig GH	<i>Solbrig 3175</i> GH, UC	32 mi. S. of Carizozo, New Mexico
	n = 15	O. T. Solbrig GH	<i>Solbrig 3181</i> GH, UC	28 mi. N. of Pecos, Texas
	n = 15	O. T. Solbrig GH	<i>Solbrig 3206</i> GH, UC	48 mi. S. of Alpine, Texas
	n = 15	O. T. Solbrig GH	<i>Solbrig 3213</i> GH, UC	11 mi. W. of Van Horn, Texas
<i>perennis</i> Wooton	n = 7	O. T. Solbrig GH	<i>Solbrig 3186</i> GH, UC	17 mi. S. of Fort Stockton, Texas
<i>plicata</i> Greene	n = 7	O. T. Solbrig GH	<i>Solbrig 3179</i> GH, UC	28 mi. N. of Pecos, Texas
<i>wrightii</i> Gray	n = 10	O. T. Solbrig GH	<i>Solbrig 3187</i> GH, UC	20 mi. S. of Fort Stockton, Texas
SCROPHULARIACEAE				
<i>Mimulus</i> <i>brevipes</i> Benth.	n = 8	B. B. Mukherjee, R. K. Vickery, Jr., UT	<i>C. Hubbs</i> in 1949 <i>54804 UT</i>	Mount Palomar, San Diego County, California
PLANTAGINACEAE				
<i>Plantago</i> <i>insularis</i> Eastw.	2n = 4 <sub>II</sub>	D. M. Moore LA	<i>Raven, Davis,</i> <i>Moore 14763</i> RSA, JEPS	San Felipe, Baja California, Mexico
<i>heterophylla</i> Nutt.	2n = 22	D. M. Moore LA	<i>Raven, Blakley,</i> <i>Ornduff 14919</i> RSA	Santa Rosa Island, Santa Barbara County, California

SPECIES	NUMBER	COUNTED BY	COLLECTION	LOCALITY
COMPOSITAE				
<i>Bidens</i> <i>polylepis</i> Blake	n = 12	R. C. Jackson KANU	<i>Jackson 2955</i> KANU	Douglas County, Kansas
<i>Boltonia</i> <i>latisquama</i> Gray var. <i>latisquama</i>	n = 9	R. C. Jackson KANU	<i>Jackson 2953</i> KANU	Douglas County, Kansas
<i>latisquama</i> Gray var. <i>recognita</i> Fern. & Grisc.	n = 18	R. C. Jackson KANU	<i>McGregor 15865</i> KANU	Harvey County, Kansas
<i>Cacalia</i> <i>atriplicifolium</i> L.	n = 25	R. C. Jackson KANU	<i>McGregor 15964</i> KANU	Anderson County, Kansas
<i>Eupatorium</i> <i>perfoliatum</i> L.	n = 10	R. C. Jackson KANU	<i>McGregor 15815</i> KANU	Cherokee County, Kansas
<i>Grindelia</i> <i>lanceolata</i> Nutt.	n = 6	R. C. Jackson KANU	<i>McGregor 16007</i> KANU	Taney County, Missouri
<i>Helenium</i> <i>tenuifolium</i> Nutt.	n = 15	R. C. Jackson KANU	<i>McGregor 15811</i> KANU	Cherokee County, Kansas
<i>nudiflorum</i> Nutt.	n = 14	R. C. Jackson KANU	<i>McGregor 15814</i> KANU	Cherokee County, Kansas
<i>Heterotheca</i> <i>latifolia</i> Buckl. var. <i>McGregoris</i> Wagenkn.	n = 9	R. C. Jackson KANU	<i>McGregor 15849</i> KANU	McPherson County, Kansas
<i>Rudbeckia</i> <i>missouriensis</i> Englm.	n = 19	R. C. Jackson KANU	<i>McGregor 16001</i> KANU	Taney County, Missouri
<i>Senecio</i> <i>obovatus</i> Muhl.	n = 22	R. C. Jackson KANU	<i>McGregor 14283</i> KANU	Douglas County, Kansas

\* Prepared slide available.

<sup>1</sup> Symbols for institutions are those listed by Lanjouw and Stafleu, *Index Herbariorum*, Part I. Fourth edition, 1959, Utrecht.

#### REVIEW

*The Little Hill, a chronicle of the flora on a half acre at the Green Camp, Ringwood, New Jersey.* By ANNE OPHELIA TODD. CUAS 8, pp. 1-20. 1961. Cooper Union School of Art and Architecture, New York.

There appeared on my desk a thin publication of twenty pages and four colored plates, much like a brochure spelling out some urgent need. The format caught my eye and the text, in keeping, filled me with sheer delight as it recounted the botany of an unkempt patch of weed.

The Hill has been cut over, burnt over, and trampled over;  
it has been flooded in the torrential downpours of  
northeasters, hurricanes, and near-hurricanes;  
and it has seemed to die in the droughts of many years.